

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of connecting a mobile, electronic control and/or monitoring unit (9) to at least one machine or at least one machine component in a group or a plurality of machines (2) or machine components to be controlled and/or monitored. During a connection or log-on procedure between the control and/or monitoring unit (9) and a co-operating distant point on the respective machine (2), a clear link or log-on connection is set up either by means of interfaces (14, 15) to the selected, wireless direction-finder of the co-operating distant point or alternatively by means of transmitters and/or receivers (16, 17) tuned to a restricted, localised functional or operating range (21). Once the connection has been acknowledged and established, the programmed control and/or monitoring of the machine (2) or the machine component is managed via another, standard data transmission means (22), for example a hard-wired network and/or via a wireless link between the control and/or monitoring unit (9) and the selected machine (2). Also proposed is a control and/or monitoring unit (9) for implementing this method.

Use FIG. 2 for abstract

List of Reference Numbers

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Automation system              | 21. Functional or operating range |
| 2. Machine                        | 22. Data transmission means       |
| 3. Robot                          | 23. Production line               |
| 4. Product                        | 24. Converter                     |
| 5. Control unit                   | 25. Transmitting antenna          |
| 6. Lead                           | 26. Receiving antenna             |
| 7. Bus system                     | 27. Capacitance sensor            |
| 8. Network                        | 28. Contact pin                   |
| 9. Control and/or monitoring unit | 29. Counter-contact               |
| 10. Hand terminal                 | 30. Indicator lamp                |
| 11. Display                       | 31. Code                          |
| 12. Input device                  |                                   |
| 13. Socket connector              |                                   |
| 14. Interface                     |                                   |
| 15. Interface                     |                                   |
| 16. Transmitter and/or receiver   |                                   |
| 17. Transmitter and/or receiver   |                                   |
| 18. Transmission channel          |                                   |
| 19. Transmitter                   |                                   |
| 20. Receiver                      |                                   |